

10 URINE ANALYSIS	Page 1 of 1
GENERAL DOCUMENTATION AND EVIDENCE HANDLING REQUIREMENTS – FORENSIC BIOLOGY SECTION PROCEDURE MANUAL, SECTION I	Issue No. 4
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<p>10 URINE ANALYSIS</p> <p>10.1 When a liquid sample believed to be urine is submitted, centrifuge the sample and/or allow cellular debris to settle to the bottom of the container. Preserve a portion of the sediment on swabs.</p> <p>10.2 Working with only one item at a time to avoid sample mix-up and/or contamination, examine the item for visible stains and describe the item and appearance, size, and location of stains. Diagrams and/or photographs may be helpful. In instances where no stains are visible, the use of an alternate light source (ALS) may be helpful in locating stains. The detection of a characteristic urine odor may also be helpful.</p> <p>10.3 Perform the Urease Test on appropriate stains/stained areas, record and report results.</p> <p>10.4 If appropriate, examine stain(s) for possible mixtures of physiological fluids (blood, semen or feces), and record and report results.</p> <p>10.5 As appropriate, conduct DNA PCR-based typing.</p> <p>10.5.1 Conduct DNA PCR-based typing, record results, and report results and conclusions after comparing the profile(s) obtained to the appropriate known sample profiles. If a suspect is eliminated, but a profile believed to be that of the putative perpetrator is identified, conduct a DNA Data Bank search for a “match” to the profile, and report the results of the search.</p> <p>10.5.2 Conduct DNA PCR-based typing in the absence of a suspect (no suspect case), record results, conduct a DNA Data Bank search for a “match” to a profile believed to be that of the putative perpetrator, and report the results of the search.</p> <p>10.5.3 In the absence of all appropriate known samples, conduct DNA PCR-based typing, record results, and conduct a DNA Data Bank search for a “match” to a profile believed to be that of the putative perpetrator. Report results and request the submission of appropriate known samples</p> <p>10.6 If appropriate, forward evidence to another section for analysis.</p> <p>10.7 Return evidence to the primary examiner or to security for final disposition.</p> <p style="text-align: right;">◆END</p>	